

## Diagnostics with Phenomenon

HVAC SYSTEM (AUTO A/C) (DIAGNOSTICS)

### 9. Diagnostics with Phenomenon

#### A: INSPECTION

Symptom	Problem parts
A/C system fails to operate.	<ul style="list-style-type: none"> <li>• Fuse (M/B No. 15, F/B No. 7, 22, 31)</li> <li>• Connector (Poor contact)</li> <li>• Ground</li> <li>• Auto A/C control module</li> <li>• Blower fan motor</li> <li>• Blower fan relay</li> <li>• A/C relay</li> <li>• Compressor (Magnet clutch)</li> <li>• Evaporator sensor</li> </ul>
Fuse is blown out.	<ul style="list-style-type: none"> <li>• Fuse (M/B No. 8, F/B No. 22, 31)</li> <li>• Connector (Poor contact)</li> </ul>
Illumination cannot dim.	<ul style="list-style-type: none"> <li>• Fuse (M/B No. 8, F/B No. 22, 31)</li> <li>• Connector (Poor contact)</li> <li>• Illumination control switch</li> <li>• Auto A/C control module</li> <li>• Body integrated unit</li> </ul>
Blower fan does not rotate or fan speed cannot be controlled.	<ul style="list-style-type: none"> <li>• Fuse (F/B No. 22, 27, 28)</li> <li>• Connector (Poor contact)</li> <li>• Ground</li> <li>• Auto A/C control module</li> <li>• Blower fan motor</li> <li>• Blower fan relay</li> <li>• Power transistor or blower resistor</li> </ul>
Unable to switch suction vents.	<ul style="list-style-type: none"> <li>• Connector (Poor contact)</li> <li>• Auto A/C control module</li> <li>• Intake door actuator</li> </ul>
Unable to switch blow vents.	<ul style="list-style-type: none"> <li>• Connector (Poor contact)</li> <li>• Auto A/C control module</li> <li>• Mode door actuator</li> </ul>
The compartment temperature does not rise. (Warm air not emitted.)	<ul style="list-style-type: none"> <li>• Connector (Poor contact)</li> <li>• Auto A/C control module</li> <li>• Air mix door actuator</li> <li>• In-vehicle sensor, ambient sensor, evaporator sensor and sunload sensor</li> <li>• In-vehicle sensor aspirator hose</li> <li>• Aspirator body</li> </ul>
The compartment temperature does not lower. (Cold air not emitted.)	<ul style="list-style-type: none"> <li>• Connector (Poor contact)</li> <li>• Auto A/C control module</li> <li>• Air mix door actuator</li> <li>• A/C relay</li> <li>• Compressor (Magnet clutch)</li> <li>• Radiator fan motor</li> <li>• Radiator fan relay</li> <li>• In-vehicle sensor, ambient sensor, evaporator sensor and sunload sensor</li> <li>• In-vehicle sensor aspirator hose</li> <li>• Aspirator body</li> </ul>
Compartment temperature is higher or lower than setting temperature.	<ul style="list-style-type: none"> <li>• Auto A/C control module</li> <li>• Air mix door actuator</li> <li>• In-vehicle sensor, ambient sensor, evaporator sensor and sunload sensor</li> <li>• In-vehicle sensor aspirator hose</li> <li>• Aspirator body</li> </ul>

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Symptom	Problem parts
Compartment temperature does not quickly respond to setting temperature.	<ul style="list-style-type: none"><li>• Air mix door actuator</li><li>• In-vehicle sensor, ambient sensor, evaporator sensor and sunload sensor</li><li>• In-vehicle sensor aspirator hose</li><li>• Aspirator body</li></ul>
Radiator fan does not rotate during A/C operation.	<ul style="list-style-type: none"><li>• Radiator fan motor</li><li>• Radiator fan relay</li></ul>
Seat heater does not run.	<ul style="list-style-type: none"><li>• Seat thermistor</li><li>• Seat heater relay</li><li>• Seat heater</li><li>• Auto A/C control module</li><li>• Front control panel</li></ul>

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# AIRBAG SYSTEM

# AB

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